

Algebra I

Daily Quiz #1

1. Which expression is equivalent to $5(3 - x) + \frac{16x}{4}$?

(a) $15 - x$

(b) $-9x + 15$

(c) $\frac{15 - 11x}{4}$

(d) $\frac{15 + 21x}{4}$

2. Describe these two lines:

$$y = -3x + 5$$

$$-3y = 9x - 15$$

(a) Two identical lines

(b) Two parallel lines

(c) Two lines that intersect at one point

(d) Two lines that intersect at two points

3. What is the solution to this system of equations?

$$y = -x + 4$$

$$y + 2x = 10$$

(a) $(0, 4)$

(b) $(6, -2)$

(c) no solution

(d) infinite solutions

4. If $y = mx + b$ what is the x-intercept in terms of m and b ?

(a) m

(b) b

(c) $\frac{b}{m}$

(d) $-\frac{b}{m}$

5. What is the x-intercept of $4x - 5y = 20$

(a) -5

(b) -4

(c) 4

(d) 5